METHOD AND APPARATUS FOR ENABLING LOCATION-INDEPENDENT AND LOCATION-TRANSPARENT INTERACTION BETWEEN PROGRAM AND USER

ABSTRACT OF THE DISCLOSURE

A system and method wherein a mobile user, or a user interacting with a mobile program, can at any time initiate a program status request. The program status request initiates the sequence of events whereby the current location of the program is determined and/or the current user location is made available to the program without the necessity of either entity changing location. Further, the agent script for the program maintains a composite data structure which includes an input buffer for storing input variables, an output buffer for storing output values to be displayed to the user, a program state data structure, and an optional bag buffer for temporarily storing input variables which the program will need in the course of future execution. By maintaining such a composite data structure, it is assured that all necessary information can be provided at a program location regardless of whether the program or the user has relocated.